

B.A.R.G.

# NEWS

**B.A.R.G.  
ANNUAL MEETING  
29TH. JULY**

**NOMINATION AND  
SUBSCRIPTION  
RENEWAL**

**NOMINATION AND  
SUBSCRIPTION  
RENEWAL FORMS  
ARE ENCLOSED**



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# BALLARAT AMATEUR RADIO GROUP INC. EXECUTIVE COMMITTEE 1993/4

|                      |                  |        | HOME   | WORK   |
|----------------------|------------------|--------|--------|--------|
| PRESIDENT            | CLIFF BILSTON    | VK3CCB | 361249 | 204321 |
| IMM.PAST PRESIDENT   | IAN ROBINSON     | VK3FD  | 358031 | 379175 |
| VICE PRESIDENT       | ERNIE TURNER     | VK3DET | 317604 |        |
| SECRETARY            | GEOFF SMITH      | VK3ADB | 332112 |        |
| TREASURER            | HARRY HEKKEMA    | VK3KGL | 357563 |        |
| ASST.SECRETARY       | JIM WRIGHT       | VK3CFB | 327563 |        |
| PUBLICITY/NEWSLETTER | NORM D'ANGRI     | VK3LBA | 341613 |        |
| EDUCATION OFFICER    | TOM GEORGE       | VK3DMK | 355662 | 327234 |
| TECHNICAL OFFICER    | DICK ANTOZIEWICZ | VK3AEX | 323273 |        |
| MEMBERS' REPS.       | MARY CURNOW      | VK3FMC | 301927 |        |
|                      | REG CARTER       | VK3CAZ | 417585 |        |

## OFFICERS AND COMMITTEES

|                     |                  |        |        |        |
|---------------------|------------------|--------|--------|--------|
| QSL MANAGER         | DOUG RAPER       | VK3VBA | 323565 |        |
| NET CO-ORDINATOR    | JOHN HOGAN       | VK3CJH | 447414 |        |
| AWARDS MANAGER      | MAURIE BATT      | VK3XEX | 422245 |        |
| PROPERTY OFFICER    | JEFF PIGDON      | VK3PAP | 327041 | 311211 |
| HAMVENTION CONVENOR | TOM GEORGE       | VK3DMK | 355662 | 327234 |
| LIBRARIAN/HISTORIAN | RICHARD VOSS     | VK3JFL | 337045 |        |
| WICEN COMMITTEE     | GORDON CORNELL   | VK3FGC | 392427 | 391135 |
|                     | GEOFF SMITH      | VK3ADB | 332112 |        |
|                     | TOM GEORGE       | VK3DMK | 355662 | 327234 |
| TECHNICAL COMMITTEE | DICK FORRESTER   | VK3VU  | 357663 | 391001 |
|                     | DICK ANTOZIEWICZ | VK3AEX | 323273 |        |
|                     | IAN MC.DONALD    | VK3AXH |        |        |
|                     | DAVID MC.CONNELL | VK3YNB |        |        |
|                     | BEN ORCHARD      | VK3TOP |        | 377836 |
|                     | MAURIE BATT      | VK3XEX | 422245 |        |

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- REPEATERS:** VK3RBA - 146.750 MHz. VOICE. MT.BUNINYONG (- OFFSET)  
 VK3RBS - 146.900 MHz. VOICE. SMEATON HILL (- OFFSET)  
 VK3RPC - 144.750 MHz. PACKET MT.WARRENHEIP  
 VK3RBU - 438.475 MHz. VOICE MT.HOLLOWBACK

**CLUB NET:** THURSDAY NIGHTS AT 8 PM. (8.30 PM.DURING DAYLIGHT SAVING)  
 FREQ: 3.610 MHz.+/- QRM.

**2 METRE SCRAMBLE:** SUNDAY NIGHTS AT 7.50 PM. FREQ:146.425 TO 146.600 MHz.INCL.  
 CALL BACK HELD ON BALLARAT REPEATER VK3RBA (146.750 MHz.)

**MEETINGS:** LAST FRIDAY OF EACH MONTH (EXCEPT DECEMBER) AT 7.30 PM.  
 VENUE: BALLARAT COMMUNITY EDUCATION CENTRE

HOPETOUN ST. BALLARAT

**FOX HUNTING:** AS ARRANGED DURING YEAR

### CORRESPONDENCE

### NEWSLETTER ARTICLES

| TO            | TO                |
|---------------|-------------------|
| THE SECRETARY | N.D'ANGRI -VK3LBA |
| B.A.R.G. INC. | 29 LAWRENCE ST.   |
| BOX 1261      | ALFREDTON         |
| MAIL CENTRE   | BALLARAT 3350     |
| BALLARAT 3354 | PHONE 053 341613  |

### LIFE MEMBERS

|               |            |              |        |
|---------------|------------|--------------|--------|
| MAURIE BATT   | VK3XEX     | KEVIN HUGHES | VK3WN  |
| IAN MC.DONALD | VK3AXH     | PHIL SEDDON  | VK3AQM |
| GEORGE SMALL  | VK3DKJ(SK) | STAN WIDGERY | VK3SE  |
| JIM WRIGHT    | VK3CFB     |              |        |

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( CURRENT 1/4/94).....



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### MINUTES OF MEETING HELD 30th April 1994

The meeting was opened at 7.55pm. and chaired by President Cliff VK3CCB  
Visitors and Members were welcomed and apologies were tendered on behalf of the following:

VK3 - KIT, KIT, DOK, PRJ, XEX, KLG, FRO, FR, MJX,  
LBA & VAL, JFL, FD, TDG, LDC & FMC, EF.

(CAZ/XDQ)

Treasurer's Report: Treasurer absent, with apologies.

Minutes as circulated were confirmed.

(XDQ/DCS)

Publicity/Newsletter: Article submitted to A.R. re Hamvention.

Articles are required for publication.

QSL'S: Nil received, 250 sent out. New local and DX Call Books have arrived. Thanks Doug.

Education: Tom VK3DMK reported that the course is progressing splendidly.

Technical: Dick VK3AEX and Geoff VK3ADB journeyed to RBS and retuned the cavities.

RBA to be replaced with new equipment on May 7th. (WX permitting.) Thanks Dick.

Club Net: ; Good company "spirited anecdotes". Who is the J.A.P.? (CJH)

WICEN Report: World Cup Orienteering. Well organised and participation was much appreciated. Thanks from Peter VK3 AKS.

Hamvention: Will definitely be held on 29/30 October.

#### General Business:

\* Ian VK3AXH discussed the new 'Novice Limited' licence.

\* Discussion on pager emissions on Amateur portion of VHF band.

To be investigated and SMA notified.

(BNC/WN)

\* A 'Packet Radio Evening' is to be held on 6th May. All welcome.

\* MEETING CLOSED 8.45pm. NEXT MEETING May 27th. JUNK NIGHT

Bob VK3BNC gave a very informative presentation on basic feedline fundamentals and the application of the SWR Analyser Counter to practical problems. Thanks to Bob for a very informative and interesting session. A great night!

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### MINUTES OF MEETING HELD 27th MAY 1994

The meeting was opened by President Cliff at 7.35 pm. and formalities were quickly dispensed with as the near record attendance readied themselves for the event of the year,

Apologies were formally accepted on behalf of VK3 - CIS, AAP, TDG, SE, XEX, NIZ, BNC, AEX, LDC, FMC, DMK, EF, DET and Wendy.

DCS/XDQ

Correspondence was tabled & accepted. (One dissension VK3FGC)

CAZ/CJH

Treasurer's Report Balance - General Account \$245.97.

Accounts for payment:- MPRG - \$50, Room Hire - \$26.40, WIA (Books) \$233.10, Postage \$50.

QSL Report Doug VK3VBA reported that QSL cards had been somewhat slower this month.

Publicity/Newsletter Norm VK3LBA reported that confirmation of the dates for the Hamvention (October 29/30) had been notified to A.R. for publication, also that the Packet Radio seminar would be held in Ballarat on 4/5th of June.

Technical Committee Report from Ian VK3AXH re the local repeater site visits and the repairs carried out. Thanks to Dick VK3AEX and Ian.

Club Net is progressing O.K. Welcome back John VK3CJH.

WICEN Discussion on the Mallee Rally to be held on June 12th. Tnx Gordon.

Meeting Closed at 7.55 in preparation for the Junk Auction.

Next Meeting is on June 24 th.

73 de Geoff VK3ADB



Reported by Richard VK3JFL.

6th. & 8th. April 1994



Reg (VK3CAZ), who operated the base Station, and myself met Peter (VK3AKS) at the Start/Finish line around 7.30 AM to set up the communications link for the morning events.

On arrival at Brown Hill we were met by Mary (VK3FMC,) Dick (VK3LDC), David (VK3YNB), Doug (VK3KAY) and Ernie (VK3DET) for the afternoon sections. I found this a particularly challenging section for operating as we all had to use handhelds as the bush was not accessible by vehicles.

There were about 30 teams (of 3 runners each) competing in the Ladies section, including 2 Australian teams.

The Mens event comprised 40 teams and was run on a different course, and the junior teams competed during the afternoon.

Overall a great time was had by all and I would like to thank Peter for the organisation, and to all operators that helped out during these events.

73 de Richard VK3JFL

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## WANTED TO BUY

## DISK DRIVE AND POWER SUPPLY (Type 1541-2) TO SUIT COMMODORE C64 COMPUTER

PLEASE CONTACT REG. VK3CAZ.





# **PROPOSED OPERATIONS POLICY FOR PACKET RADIO SYSTEMS**

**TO BE ADOPTED BY B.A.R.G.**

**[ As suggested by I.A.R.U. and VK5 Packet Groups.]**

## **ACCEPTABLE USE POLICY**

### **1.1 AIM**

The aim of this policy is to define appropriate behaviour of packet BBS users, and to define BBS operators rights and responsibilities towards users of their systems.

This document is in addition to regulations governing licensing of amateur stations set down by the Spectrum Management Agency in RIB70, RIB71, & RIB72.

### **2.1 AMATEUR PACKET RADIO BBS ACCESS.**

2.1.1. Access to Packet Radio BBS services is a privilege, not a right. In the case where they are operated under either a club or individuals callsign there is no obligation for these stations to accept connections from any other stations. If the Packet BBS program is operating using a 'Repeater' callsign then it is required to, as a minimum, support digipeating of packets by all stations. Higher level access can still be restricted.

2.1.2 Access to a BBS on any frequencies designated for specific uses can be barred by the BBS operators.

2.2.1. Abuse of BBS access is defined as malicious use of a BBS station with the intent to prevent access by another station. Interference to a BBS station is treated as per the current regulations. Stations found purposely interfering with BBS operations may be excluded from the BBS access.

2.2.2. Stations excluded from a BBS can apply in writing to the relevant operator, or in the case of a club operated system the club secretary, to have the exclusion reversed. In the case of a club system this should be discussed by the membership at a general meeting.

### **3.1 AMATEUR PACKET RADIO BBS MAIL ACCESS.**

3.1.1 Access to the packet electronic mail and bulletin network is a privilege not a right. Electronic packet mail is subject to the following conditions.

3.1.1.1. The mail and bulletins sent via a BBS station MUST obey all regulations set down by the Spectrum Management Agency.

3.1.1.2. The responsibility for electronic mail sent via a BBS station is currently understood to not only be the responsibility of the originating station, but also each BBS station which handles the traffic. Therefore the BBS operators reserve the right to reject or hold mail from repeat offenders.

3.1.1.3. Repeated violation of paragraph 3.1.1.1. and/or 3.1.1.2. will result in the offending stations facing exclusion from the BBS.

3.2.1. Privacy of Packet Mail is NOT available. Users should be aware that ALL mail on the network is able to be read by the system operators.

3.2.2. Mail may also be read by others while it is in transit from the user to the BBS or between BBS stations.

3.3.1. The packet BBS operator can give no guarantees that a packet mail or bulletin message will reach its destination. Delivery of traffic is beyond the local operators control once a message has been on-forwarded to a neighbouring BBS.

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## PROPOSED OPERATING POLICY FOR PACKET RADIO SYSTEMS

( CONTINUED )



### 4.1 NETWORK SYSTEM OPERATOR RESPONSIBILITIES

4.1.1. The system operator is not permitted to sub-edit the contents of a message passing through his/her system. A message can ONLY be held for review or be rejected.

4.1.2. The system operator should attempt to correct mis-addressed mail handled by his/her system.

### 5.1 CONCLUSION

5.1.1. If operators are not willing to abide by these conditions, they are requested to not use this amateur packet radio BBS station.

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## ANNUAL GENERAL MEETING JULY 29 th. 1994 NOTICE OF MOTION

Notice is given that the following motion will be put to the Annual General Meeting of BARG.

“That two new BARG positions be created ” - to wit ;

A: “EXAMINATION OFFICER”

B: “TECHNICAL OFFICER - DATA COMMUNICATION (PACKET RADIO)”

ADB/CFB

### COMMENTS:

POSITION “A” This position compliments the Education Officer and relieves him/her from the logistics of examinations, eg:

- # Preparation/organisation of venues.
- # Ordering of examination papers.
- # Correction of examination papers etc.
- # Correlating examination results.
- # Notification of candidates etc.

POSITION “B” There has been a steady growth of Packet Radio use in our club and a significant number of stations have been established throughout VK.

To further promote and develop this mode, one arm of our Technical Committee needs to be dedicated to this medium.

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# **BALLARAT AMATEUR RADIO GROUP INC.** **NOMINATION FORM 1994/5**

We wish to nominate \_\_\_\_\_ Date: \_\_\_\_\_

for the position of \_\_\_\_\_ of B.A.R.G. for the 1994/5 year.

NOMINATED BY (Signature) \_\_\_\_\_ CALLSIGN \_\_\_\_\_

SECONDED BY (Signature) \_\_\_\_\_ CALLSIGN \_\_\_\_\_

SIGNATURE OF NOMINEE \_\_\_\_\_ CALLSIGN \_\_\_\_\_

\* Please forward completed form to the Secretary by 22/7/94.



## **MEMBERSHIP FEES - 1994/5**

Membership fees for B.A.R.G. become due and payable at the A.G.M. on 29th July 1994.

Would you please assist the club by completing the details on this form and returning it promptly with your remittance to The Secretary, Box 1261, Ballarat Mail Centre, 3354. or to the Treasurer at the A.G.M. The details are required to verify our records. The scale of fees is as follows:

|                   |         |                   |         |
|-------------------|---------|-------------------|---------|
| Full Membership   | \$10.00 | Student/Pensioner | \$ 5.00 |
| Family Membership | \$15.00 | Associate Member  |         |
| Life Member       | NIL     | (Newsletter Only) | \$ 7.50 |

FULL NAME: \_\_\_\_\_ CALLSIGN: \_\_\_\_\_  
 (Please Print)

ADDRESS: \_\_\_\_\_  
 (Please Print)

TYPE OF MEMBERSHIP DESIRED: FULL / FAMILY / STUDENT / PENSIONER / ASSOCIATE

DATE: \_\_\_\_\_ REMITTANCE ENCLOSED: \$ \_\_\_\_\_

## **QUESTIONNAIRE (Optional)**

Answers to the following questions would greatly assist the Committee when trying to set up an agenda of activities to cater for all of the interests of B.A.R.G. members. Your co-operation by answering some, if not all, of the questions would be appreciated. Thanks.

CALLSIGN: \_\_\_\_\_ FIRST NAME OF SPOUSE / YL / YM. \_\_\_\_\_

HOBBIES (Not Radio related.) \_\_\_\_\_

RADIO INTERESTS: (Please Tick) HF / HF DX / VHF / UHF / PACKET / SATELLITES  
 QRP / CW / ATV / CONTESTS / HOMEBREWING / CONVERSIONS / ANTENNAE

MEMBER OF WICEN ? YES / NO - MEMBER OF W.I.A. ? YES / NO - TELEPHONE: \_\_\_\_\_

**73 - THANK'S FOR YOUR HELP.**



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(3XDQ) - "Let's go to Renmark"  
(Wendy) - "What a sterling idea!"



Daryl and I went to Renmark on the weekend of the (20th.- 22nd. May) for the Mildura/Renmark Radio Club Convention.

We left on Friday and decided to go straight there, get settled in, and look around later, however a National Park suddenly came into view, and guess what, we spent a lovely two hours exploring the Hattah National Park.

It was getting towards dusk when we finally got back on track. We found the caravan park, and I was telling Daryl "there it is, there it is", and a mile (1.609 km) later we turned around and actually drove through the entrance after he sailed right past it. When he gets into 'driving mode' he just goes and goes.

Anyway we pulled up outside our van and had just started to unpack when a voice came out of the darkness "Daryl, Daryl, is that you!" It was Bob (BNC) and his wife Betty. Daryl and Bob had radios in their cars (Daryl had two of them) but none of them would tune to Renmark, so we didn't know where the Convention was being held. Next morning we heard about it on the local public radio station.

When we arrived at the venue Daryl and Bob set themselves up in several corners, generally enjoying themselves, leaving Betty and I to wander around the Arts & Crafts section, which had been included in the show. Betty and I thought that it was a great idea for XYs or others not interested in radios strange as that may sound. Betty went for a coffee and recognised one of the ladies serving, it was the daughter of a lady who lives near them in Ballarat. Small world eh!

That same night the Club went to the Renmark Hotel and had a good time with about 100 people turning up. Daryl won a Presentation Platter of Nuts with a ticket that Bob bought him at the Convention, so we shared them.

Earlier in the day Bob was asking Daryl how to straighten out the bend in his tow-bar, however the hand actions he used to describe the procedure were extremely suggestive. It was a good job we weren't in Tassie. They would have had him in the clink faster than you could blink, with their laws on men with alternative life styles - if you get my drift - Hi!

All in all it was a terrific weekend. The club people were very helpful and kind, and meeting up with Bob and Betty was an added bonus, even though no-one could talk to anyone over the radios.

73 de Wendy.

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### PACKET SURPRISES:

Press any key to continue, or any other key to quit.

All hope abandon, ye who enter messages here.

Printers do it without wrinkling the sheets.

A yer ao I kudnt spel progrmer an now I is won.



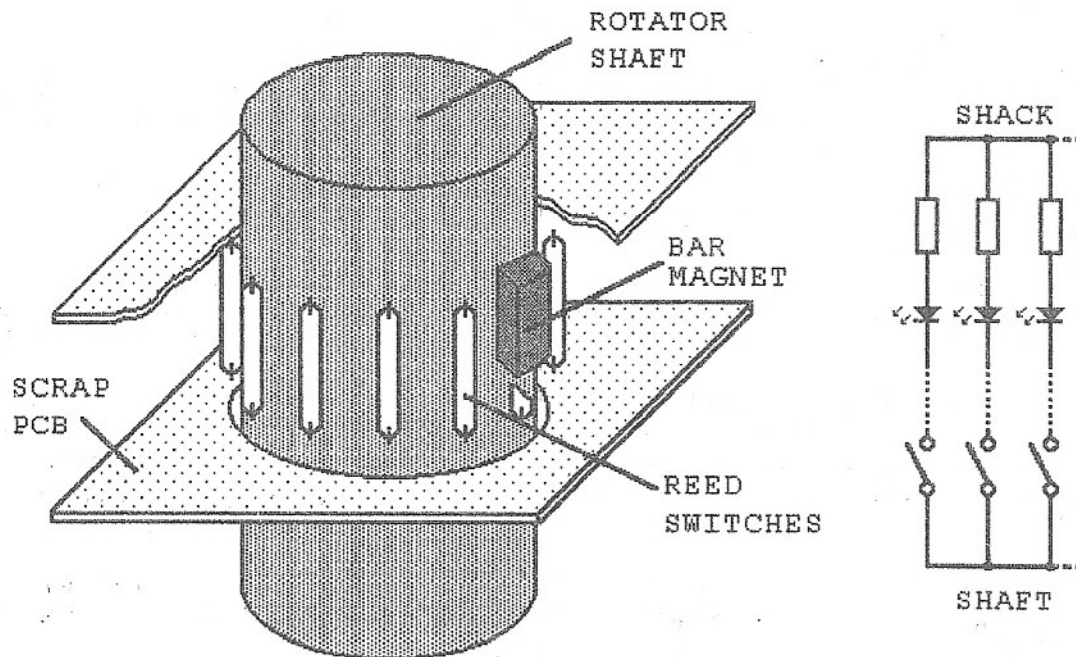
# ROTATOR DIRECTION INDICATOR

by Steven J. Merrifield VK3ESM

This simple gadget should prove useful for those with homemade rotators, or are looking for a new style of direction indicator. It is based on magnetic reed switches commonly used in alarm installations. When a magnet is brought near the switch, the switch closes and when the magnetic field is removed the switch opens again.

By attaching a thin magnet to the rotator shaft and placing reed switches symmetrically around the shaft (corresponding with compass positions), the relevant switch closes when the antenna is pointing in that direction.

With a typical 40mm shaft there should be no problem in fitting 16 switches around the circumference providing 22.5° of resolution. A larger diameter shaft will allow even greater resolution. It is then a simple matter to wire the switches to LEDs arranged in a similar fashion in the shack. Multi-core computer cable is ideal for this. Don't forget to place a LED in the middle of the display though, or else the direction will be difficult to pick under subdued lighting.



This document was prepared using Word for Windows on a 486-66, and printed using a HP Laser Jet II  
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## APOLOGY - REPEATERS (Part 2)

Unfortunately, due to Tom's busy work schedule, we are unable to publish the second part of his article on the Ballarat Repeater. We hope to be able to make amends next issue. (Ed.)

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# Well.... I Can Dream, Can't I ?

by Bandel Linn (K4PP) 73 Magazine May'81



## COMING EVENTS

- June 10  
Natter Night
- June 11/12  
QRP Weekend
- June 12  
Mallee Rally
- June 18/19  
VK Novice Contest
- June 24  
BARG Meeting
- July 16  
Colombian Ind. Day Contest
- July 29  
BARG Annual Meeting
- July 29  
BARG Subs due.
- October 29/30  
BARG Hamvention.

"I understand there's a big ham radio contest this weekend Cliff, I suggest you take a week off -with double pay- to rest up and get ready for it!"

## DOWN MEMORY LANE

### DXPEDITION TO BALLARAT.

Here is some advance information on preliminary arrangements of a large scale Dxpediton by a group of amateurs from Los Angeles, to Ballarat (California USA)

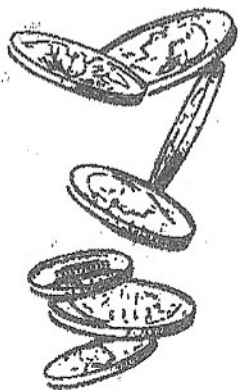
The anticipated dates are the 30th. & 31st. January and the 1st. February '81. Their equipment will include a Collins KWM2A with 500W Linear Amplifier for each (yes folks) each band. Ballarat (California) was named after Ballarat (Victoria) and is now a ghost town near Death Valley.

A certificate, signed by the Mayor, in lieu of a QSL card is planned to be issued to any station which contacts the Ballarat (USA) station, and any two Ballarat (Vic.) stations, therefore I ask now that all amateurs in Ballarat and District be prepared to operate their station on these dates to make the Dxpediton groups enthusiasm and effort worth while.

Clarry Kitzelmann VK3VEZ (Publicity Officer)  
(BARG Newsletter - October 1980)



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BARG SUBS. ARE DUE ON JULY 29TH.

Your subscription as a member of BARG becomes due at the Annual Meeting on Friday the 29th. July 1994. To renew your membership you are asked to fill in the enclosed renewal form and return it with your remittance.

This will allow us to update our records, and the optional portion will help us to become more selective with future articles and activities.

**DON'T FORGET - Please return the form with your Subs.**

**B.A.R.G.**

THE BALLARAT AMATEUR RADIO GROUP INC.

A GROUP OF RADIO ENTHUSIASTS LICENSED TO EXPERIMENT  
WITH RADIO COMMUNICATIONS ON AN AMATEUR BASIS.

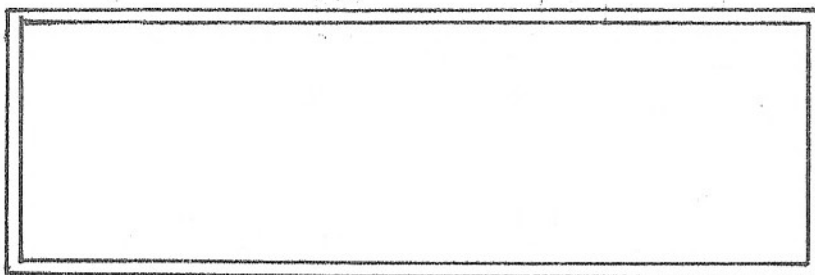
NEW MEMBERS ALWAYS WELCOME



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OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP

B.A.R.G. NEWS



SURFACE MAIL

IF UNDELIVERABLE RETURN TO  
P.O. BOX 1261  
MAIL CENTRE  
BALLARAT 3354